



## SEQUENCE LISTING

&lt;10&gt; Delaney, Allen

<120> Cancer Associated Protein Phosphatases and their  
uses

&lt;130&gt; SMAR-044

&lt;140&gt; 10/509,773

&lt;141&gt; 2005-04-14

&lt;150&gt; CA03/00393

&lt;151&gt; 2003-03-19

&lt;150&gt; 60/368,859

&lt;151&gt; 2002-03-28

&lt;160&gt; 12

&lt;170&gt; FastSEQ for Windows Version 4.0

&lt;210&gt; 1

&lt;211&gt; 1520

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (0)...(0)

&lt;223&gt; MKPX polynucleotide

&lt;400&gt; 1

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 <223> MKPX polypeptide

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 His Ile Leu Ser Val His Asp Ser Ala Arg Pro Met Leu Glu Gly Val  
 35 40 45  
 Lys Tyr Leu Cys Ile Pro Ala Ala Asp Ser Pro Ser Gln Asn Leu Thr  
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 Arg His Phe Lys Glu Ser Ile Lys Phe Ile His Glu Cys Arg Leu Arg  
 65 70 75 80  
 Gly Glu Ser Cys Leu Val His Cys Leu Ala Gly Val Ser Arg Ser Val  
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 <223> PTP4A1 polynucleotide

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<212> PRT

<213> Homo sapiens

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<223> PTP4A1 polypeptide sequence

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Phe Ile Glu Leu Lys Lys Tyr Gly Val Thr Thr Ile Val Arg Val
          35             40             45
Cys Glu Ala Thr Tyr Asp Thr Leu Val Glu Lys Glu Gly Ile His
          50             55             60
Val Leu Asp Trp Pro Phe Asp Asp Gly Ala Pro Pro Ser Asn Gln Ile

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Gly	Cys	Cys	Ile	Ala	Val	His	Cys	Val	Ala	Gly	Leu	Gly	Arg	Ala	Pro
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Ala	Val	Gln	Phe	Ile	Arg	Gln	Lys	Arg	Arg	Gly	Ala	Phe	Asn	Ser	Lys
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<213> Homo sapiens

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35          40          45
Val Thr Leu His Phe Leu Arg Thr Ala Gly His Pro Leu Thr Arg Trp
50          55          60
Ala Leu Gln Arg Gln Pro Pro Ser Pro Lys Gln Leu Glu Glu Glu Phe
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Leu Lys Ile Pro Ser Asn Phe Val Ser Pro Glu Asp Leu Asp Ile Pro
85          90          95
Gly His Ala Ser Lys Asp Arg Tyr Lys Thr Ile Leu Pro Asn Pro Gln
100         105         110
Ser Arg Val Cys Leu Gly Arg Ala Gln Ser Gln Glu Asp Gly Asp Tyr
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Arg Glu Gly Lys Glu Lys Cys Val His Tyr Trp Pro Thr Glu Glu Glu
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Ser Val Lys His Ile Leu Phe Ser Ala Trp Pro Asp His Gln Thr Pro
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 <223> FEM-2 polynucleotide

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<212> PRT

<213> Homo sapiens

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Leu Leu Asn Pro Glu Asp Pro Leu Pro Trp Lys Ala Pro Gly Thr Val
35          40          45
Leu Ser Gln Glu Glu Val Glu Gly Glu Leu Ala Glu Leu Ala Met Gly
50          55          60
Phe Leu Gly Ser Arg Lys Ala Pro Pro Pro Leu Ala Ala Ala Leu Ala
65          70          75          80
His Glu Ala Val Ser Gln Leu Leu Gln Thr Asp Leu Ser Glu Phe Arg
85          90          95
Lys Leu Pro Arg Glu Glu Glu Glu Glu Glu Asp Asp Asp Glu Glu
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Glu Lys Ala Pro Val Thr Leu Leu Asp Ala Gln Ser Leu Ala Gln Ser
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Tyr Phe Ala Val Phe Asp Gly His Gly Gly Val Asp Ala Ala Arg Tyr						
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Met Phe Leu Arg Lys Ala Lys Arg Glu Arg Leu Gln Ser Gly Thr Thr						
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Gly Val Cys Ala Leu Ile Ala Gly Ala Thr Leu His Val Ala Trp Leu						
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<211> 2786

<212> DNA

<213> Homo sapiens

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<221> misc\_feature

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<213> Homo sapiens

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Lys Leu Ser Leu Arg Asn Phe Pro His Asn Asp Tyr Glu Asp Val Phe
      35           40           45
Glu Glu Pro Ser Glu Ser Gly Ser Asp Pro Ser Met Trp Thr Ala Arg
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Lys Arg Lys Gln Lys Val Leu Gly Pro Asn Gln Lys Leu Lys Phe Asn
          35           40           45
Pro Thr Glu Leu Ile Ile Tyr Cys Lys Asp Phe Arg Ile Val Arg Phe
          50           55           60
Arg Phe Asp Glu Ser Gly Pro Glu Ser Ala Lys Lys Val Cys Leu Ala
65           70           75           80
Ile Ala His Tyr Ser Gln Pro Thr Asp Leu Gln Leu Leu Phe Ala Phe
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Glu Tyr Val Gly Lys Lys Tyr His Asn Ser Ala Asn Lys Ile Asn Gly
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